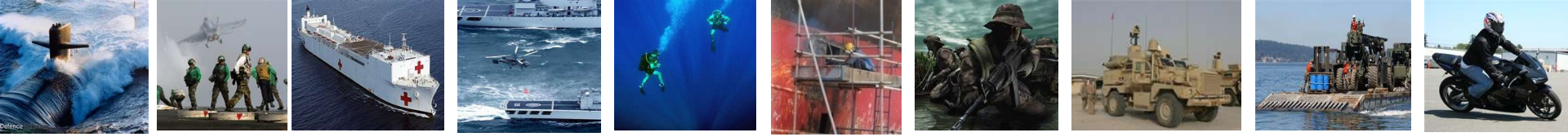


Department of the Navy
FY2012 In-Progress Review
to
Acting Deputy Under Secretary of Defense
(Installations and Environment)

Leslie Holland, MS, CSP, CIH
Director, Occupational Safety and Health
ODASN (Safety)

March 25, 2013

Agenda

- Potential Impacts to Safety from Sequestration
- Attachment 1 – Requested Briefing Subjects
  - Risk Assessment
  - Risk Control
  - Mishap Investigations
  - Management System Implementation
- Attachment 2 – Backup Data
  - 5-year trends
    - Military Mishap Fatalities
    - Aviation Class A Mishap Rates
    - Civilian and Military Injury & Illness Rates
    - Hearing Loss Rates

Potential Impacts to Safety from Sequestration

The Department of the Navy anticipates as-yet-unknown decrements to its operational system from the austere fiscal climate that will reveal themselves in many ways, both short and long term.

Safety performance will be an important indicator of those impacts to the Department.

Potential Impacts to Safety from Sequestration

Military Personnel

- Decrements in proficiency due reduced flying and steaming hours, mission evolutions, reduced training
- Negative human factors outcomes from burden of reduced civilian manning (e.g., fatigue, error, lack of expertise)
- Continued pressure to continue to perform with fewer resources
- Reduced civilian manning in performance of functions with high risk impact
  (e.g. air traffic controllers, high risk training, etc.)

Civilian Personnel

- Reduced proficiency due to reduced work task evolutions, training
- Inability to meet production demands with fewer man hours
- Increase in workers compensation claims
- Work-induced stress from financial impacts

Potential Impacts to Safety from Sequestration

Infrastructure

- Secondary consequences from delayed or non-availability of mission-specific platforms
- Reduction in system redundancies
- Degradation of infrastructure with secondary impacts (e.g., explosives safety, bird strikes,etc.)
- Equipment loss/damage due to reduced maintenance.

Mission Safety Support Requirements

- Inability to meet mission safety support requirements with impacts to mission readiness:

  - Loss of safety billets
  - Loss of lessons learned from mishap investigations
  - Fewer safety inspections leading to unidentified latent hazards
  - Less motorcycle training
  - Reduced ESAMS* contract support

Potential Impacts to Safety from Sequestration

- Actions -

- **Leadership, Leadership, Leadership**
  - Under Secretary Statement
  - ASN (EI&E) Statement
  - CNO Directive
  - US Fleet Forces Commander

"I rely on you to be bold and accountable and, when required, say 'no' when sailors and units have reached their safe limits,"

Chief of Naval Operations Adm. Jon Greenert, NAVADMIN 041/13

"Top brass have warned of a more dire consequence if the Navy isn't allowed to shrink its global mission to match economic realities: more accidents. -- could lead to fatigued sailors and hazardous results"—"We're not going to do this any faster than safe," --"We won't push out anybody who isn't ready for the mission."

ADM Bill Gortney, U.S. Fleet Forces Command and Retired Vice Adm. Peter Daly, chief executive officer of the U.S. Naval Institute, in Navy Times Article, Navy Officials: Cuts

Attachment 1
Requested Briefing Subjects

Risk Assessment
-Workplace Visits-
Percent Completion (%)

1. <u>Local - Annual Inspections</u> (includes high, medium, low risk) (# Performed/# Required)

a. Navy – 96%
b. Marine Corps – 100%

2. <u>Command Self-Assessments</u> – Annual - (# Performed/ # Required)

c. Navy - 88%
d. Marine Corps – 100%

3. <u>Headquarters Oversight (trienniel)</u> – (# Performed/ # Required)

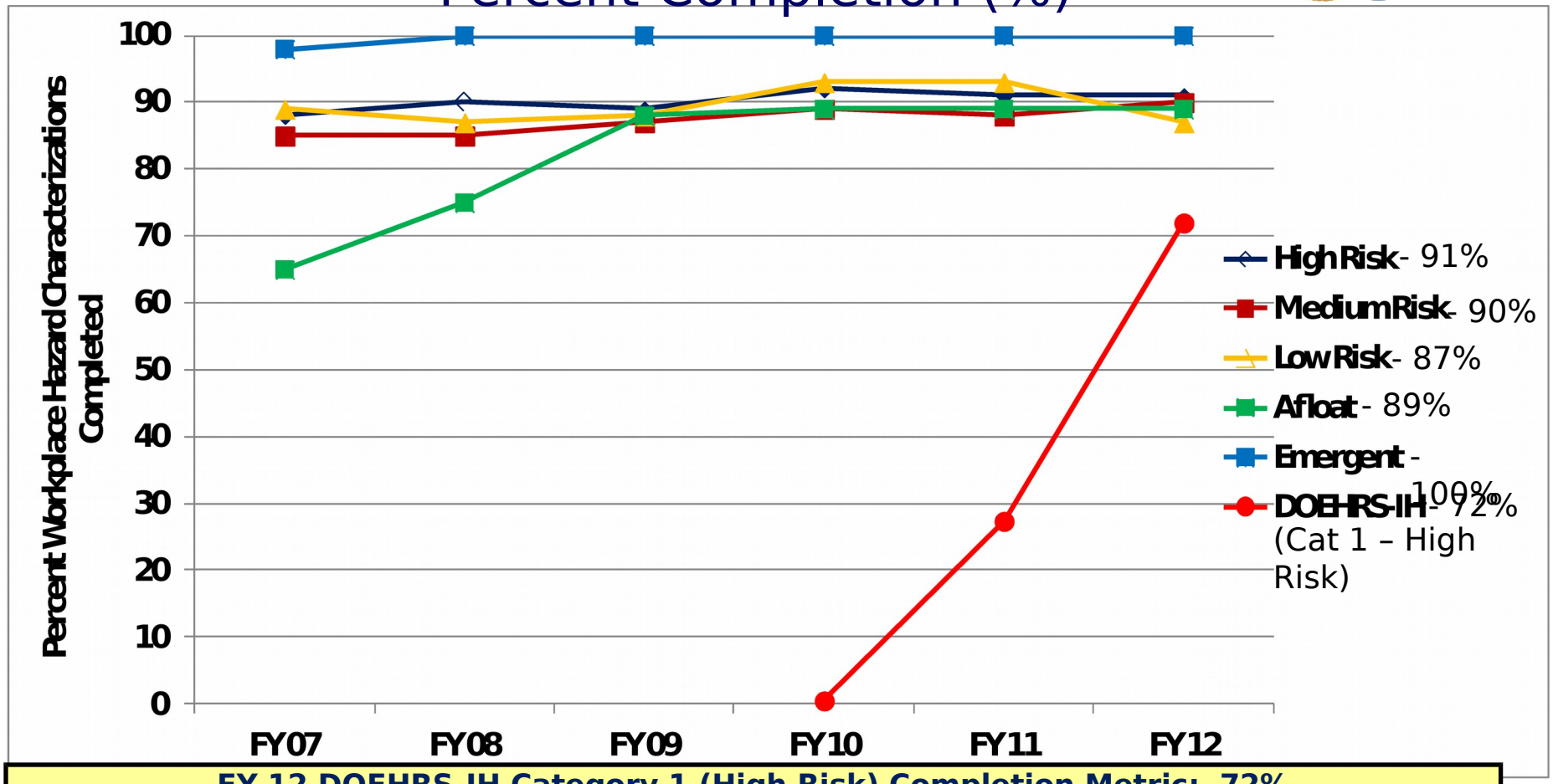
e. Navy - 73% (Most at or near 100% with exception of two commands)
f. Marine Corps – 100%

Source: Naval Safety Center, CMC Safety Division

Risk Assessment

-Workplace Hazard Characterizations-

Percent Completion (%)

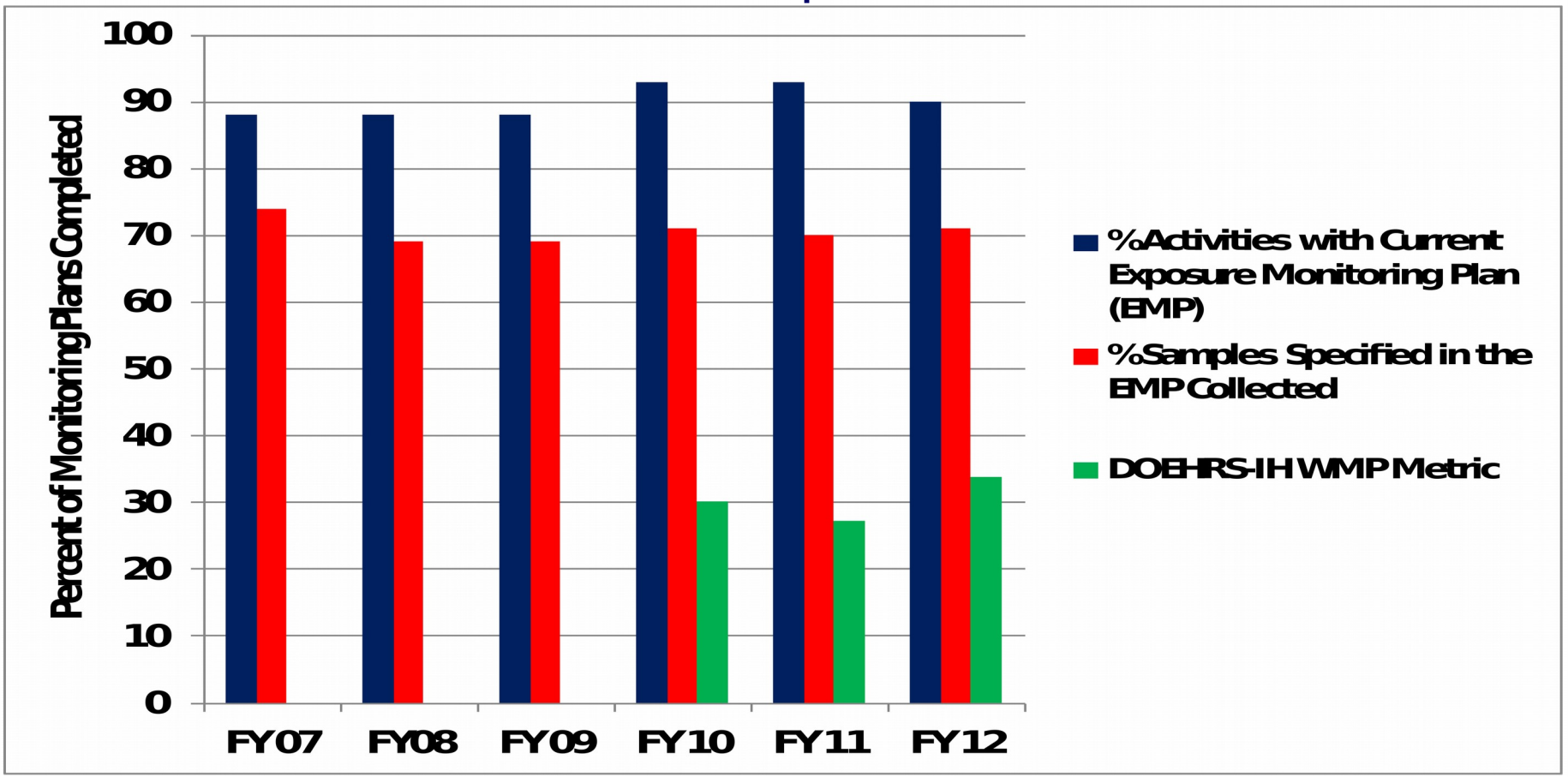


FY 12 DOEHRS-IH Category 1 (High Risk) Completion Metric: 72%

% Workplace Hazard Characterizations Completed = # Workplaces Assessed x 100% / # Workplaces Requiring Assessment

Source: BUMED metrics, DOEHRS IH- Defense Occupational and Environmental Health Readiness System (Industrial Hygiene)

Risk Assessment
-Monitoring Plans Completed-
Percent Completion (%)



FY 12 DOEHRS-IH Monitoring Plans Completed Metric: 33.8%		
% WMP = Monitoring Plans (WMP) Closed = # WMP Started & Completed = 100%		
Total # of WMP		

Source: BUMED metrics, DOEHRS-IH Defense Occupational and Environmental Health Readiness System (Industrial Hygiene)

Risk Assessment

-Medical Surveillance & Audiograms-

Tracking

	Navy Total Medical Surveillance Completion Rate	Navy Audiogram Completion Rate	USMC Total Medical Surveillance Completion Rate	USMC Audiogram Completion Rate
FY12	**87%** (464,991/533,934)	**86%** (128,669/149,933)	**78%** (243243/312101)	**76%** (210037/276505) - All - **78% **** (140338/179652) - Active Duty -

Source: Navy: NAVADMIN 213/12 Data Call ; USMC: MARADMIN 581/12 and MRRS HCP Report

Inter-Service Support Agreemen

- Varies by location; in some cases, ISSAs don't exist

- Joint Base Safety Working Group (JBSWG) – Established under the Joint Service Safety Council (JSSC) to address joint safety management concerns.

Navy Lead

NS Pearl Harbor/Hickam AFB = ***Joint Base Pearl Harbo***
Navy Base Guam/Andersen AFB = ***Joint Region Ma***
Anacostia Annex/Bolling AFB = ***Joint Base Anac***
NAB Little Creek/Ft Story = ***Joint Base Little Cre***

Lead service provides Installation Support for the entire Joint Base incl. Safety

Army Lead

Ft Myer/**Henderson Hall** = ***Joint Base Myer-Henders***

Air Force Lead

Charleston AFB/**NWS Charleston** = ***Joint Base Charleston***
McGuire AFB/Ft **Dix/NAES Lakehurst** = ***Joint Base McGuire-Dix-Lakehurst***
Andrews **AFB/NAF Washington** = ***Joint Base Andrews-Naval Air Facility Washington***

Risk Control

Hazard Mitigation

Percentage of Safety and Health Hazards Mitigated or Permanently Abated (%)

	RAC 1 Hazards (Mitigated or Abated within 10 Days)	RAC 2 Hazards (Mitigated or Abated within 30 Days)	RAC 3 Hazards (Mitigated or Abated within 90 Days)
Navy	**98%**	**66%**	**74%**
Marine Corps	**100%**	**56%**	**67%**

Source: Naval Safety Center; CMC Safety Division

Mishap Investigations

-Data Sources Used to Identify Mishaps-

Current			
DSES	Defense Safety Enterprise System	WESS	Web Enabled Safety System
CZR	Combat Zone Reports	ESAMS	Enterprise Safety and Management System
SaFER	Safety First Event Reporting (Marine Corps)	SOUMS	Safety of Use Messages
MCCLL	Lessons Learned Reporting (Marine Corps)	QDR	Product Deficiency Reporting / Quality Deficiency Reports
AHLTA	Armed Forces Health Longitudinal Technology Application	WAMHRS	WESS Aviation Mishap and Hazard Reporting System
Significant Events Journal Entries – Operational Command SIPR (High-side Entries)			
Daily personal reconciliation with medical and maintenance reports			
OPREP-3 (Serious Incident Report)			
Navy and Marine Corps Public Health Center EpiData Center Department completed FY12 review of injury data abstracted from standard inpatient and outpatient medical encounter records for all AD Navy service members.			
Future			
TRICARE Medical Data; MOU developed and undergoing review			
SaFER	Safety First Event Reporting (Navy)		

Management System Implementation
- Status -

- **OSHA Voluntary Protection Program (VPP)**
  - 15 Navy and Marine Corps VPP Star Sites
  - 3 VPP Star “like” sites OCONUS
  - Multiple sites at various stages of implementation

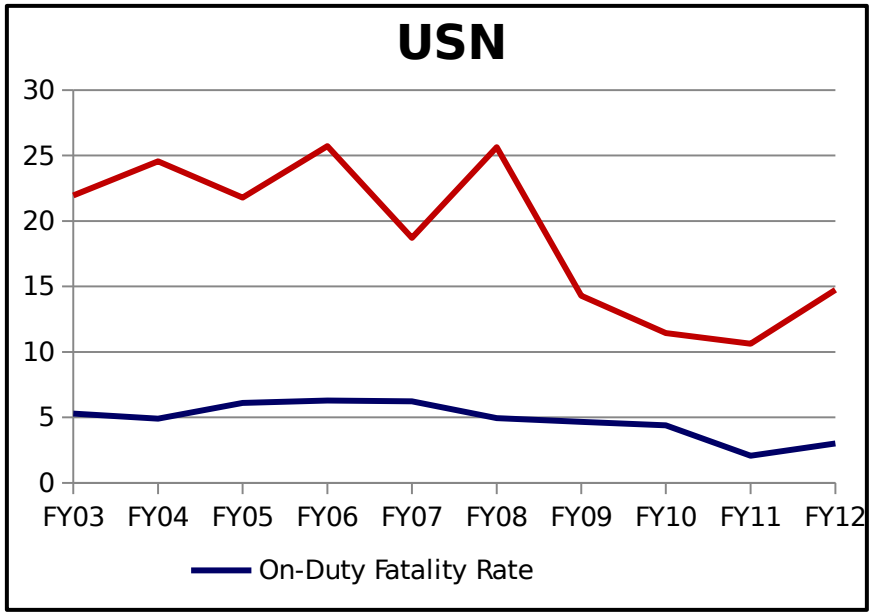
- **Navy Civilian Maritime Fleet – Military Sealift Command (MSC)**
  - Adopted the International Maritime Organization (IMO) International Management System (ISM) as the MSC Safety Management System (SMS)
  - Fleet-wide, well-established, high functioning SMS

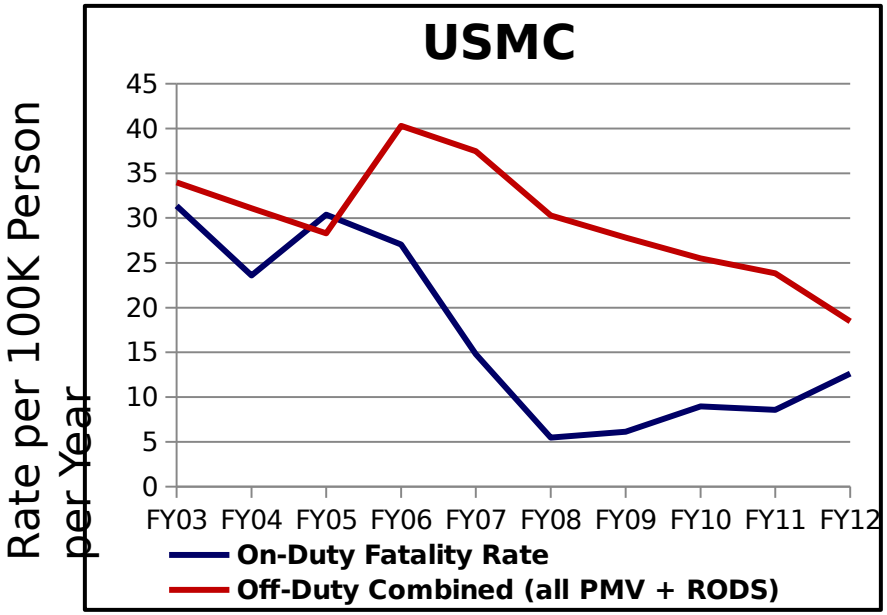
- **Naval Aviation**
  - Publication of OPNAVINST 3750.6S, *Naval Aviation Safety Management System,* in progress
  - Based on Federal Aviation Administration’s SMS

- **Department of the Navy (DON)**
  - Overarching DON SMS will be represented in the Secretary of the Navy Instruction 5100.10K, *Department of Navy Safety Program* (in draft)
  - DON SMS will overlay existing management systems

Attachment 2
Backup Data

Military Mishap Fatalities
On- and Off-Duty
FY03-FY12

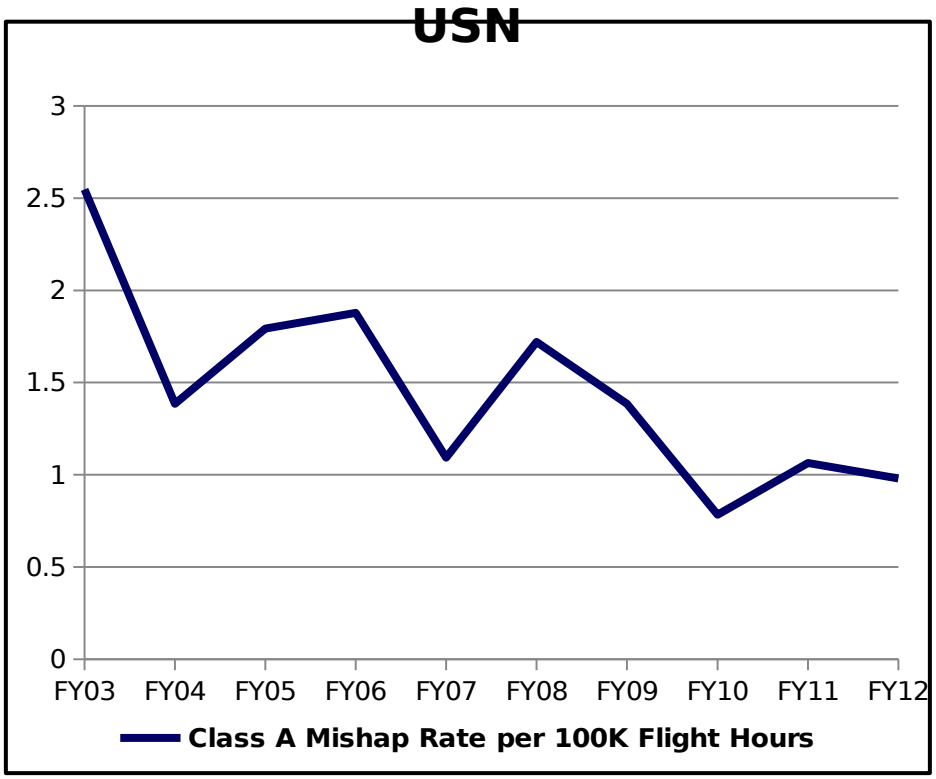


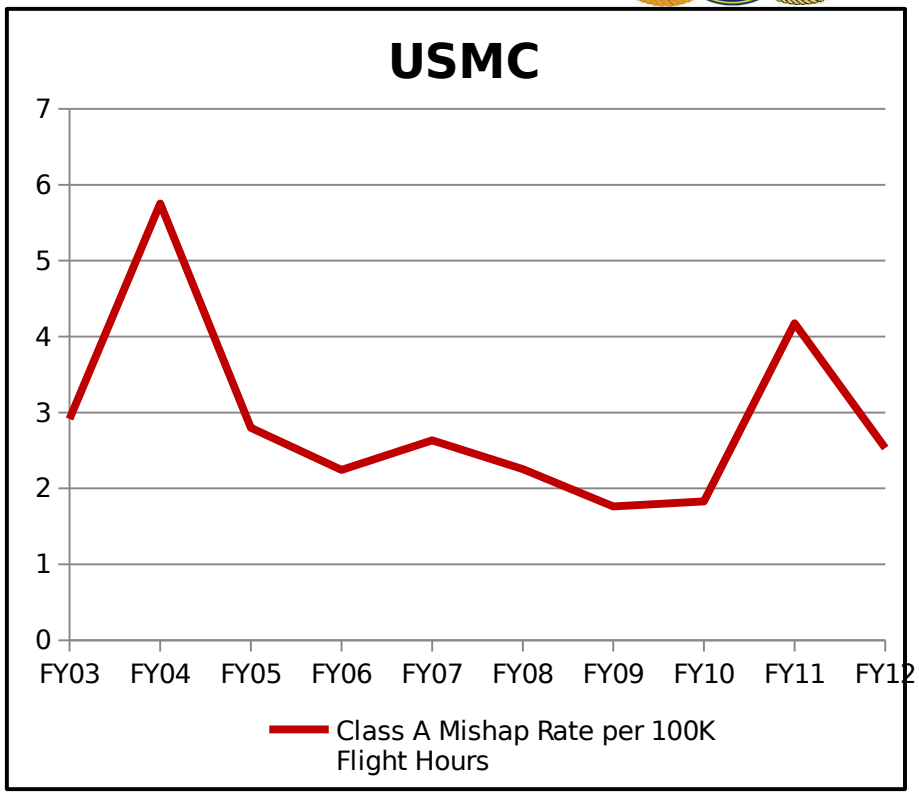


	On-Duty	Off-Duty Combined (all PMV + RODS)
Baseline FY 2003	5.29	21.94
FY 2012	3.0	14.74
Reduction from Baseline	-43%	-32%

	On-Duty	Off-Duty Combined (all PMV + RODS)
Baseline FY 2003	31.36	33.97
FY 2012	12.63	18.45
Reduction from Baseline	-59%	-45%

Aviation Class A Mishap Rates
-Total*-
FY03-FY12





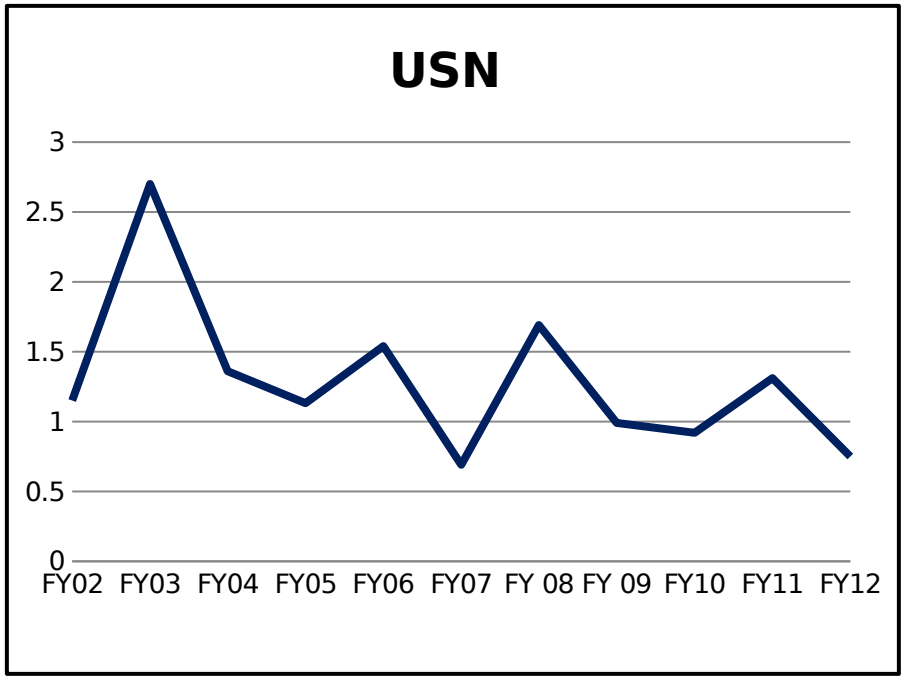
Baseline FY 2003	**2.55**
FY 2012	**0.98**
Reduction from Baseline	**-62%**

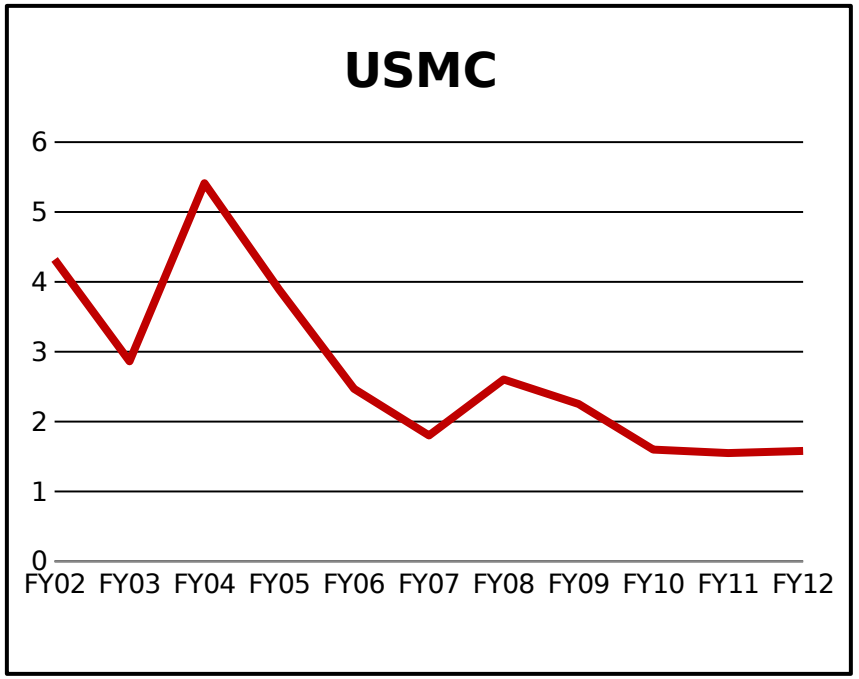
Baseline FY 2002	**2.91**
FY 2012	**2.53**
Reduction from Baseline	**- 13%**

*does not include UAVs

Source: Naval Safety Center

Class A Mishap Rates
- Fixed Wing –
FY02-FY12



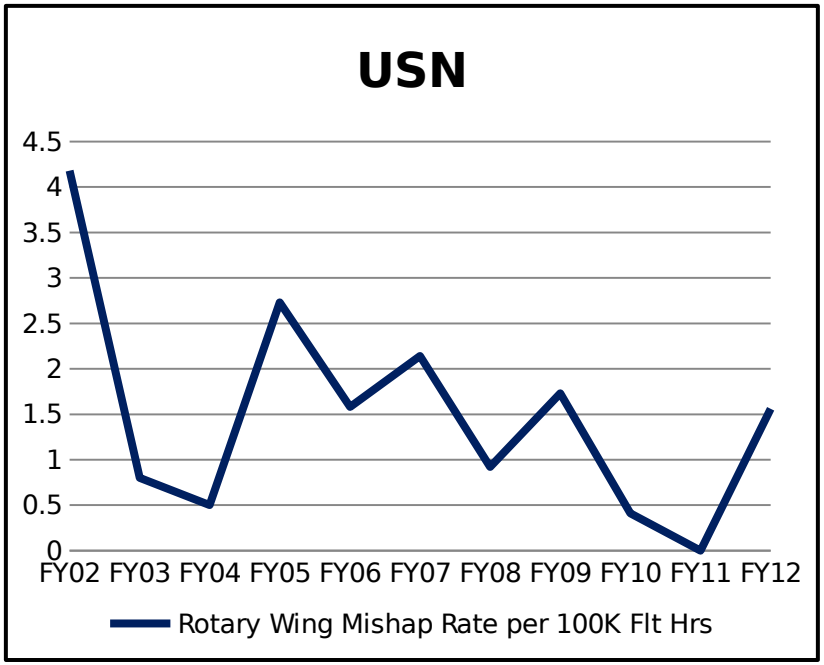


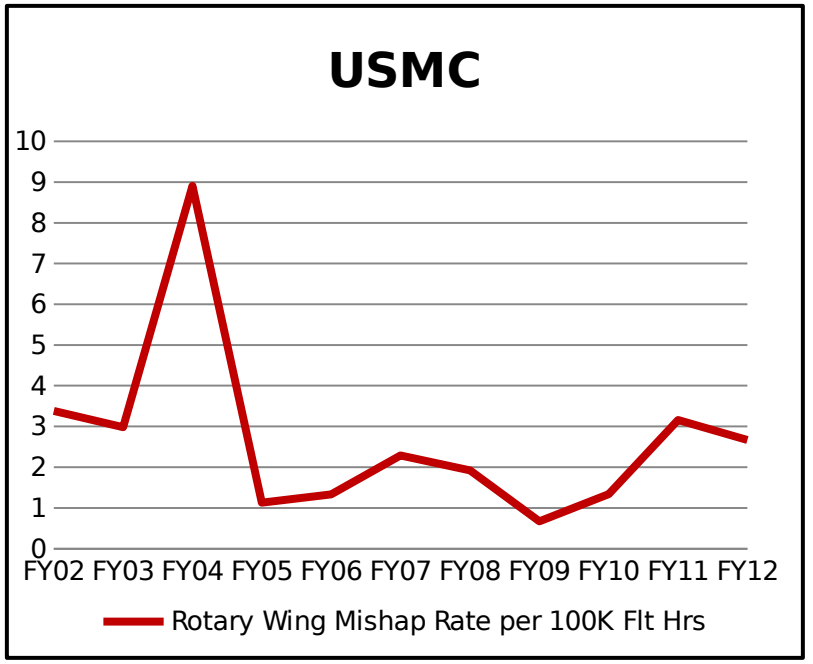
Baseline FY 2002	**1.15**
FY 2012	**0.75**
Reduction from Baseline	**-35%**

Baseline FY 2002	**4.32**
FY 2012	**1.58**
Reduction from Baseline	**- 63%**

Source: Naval Safety Center

Class A Mishap Rate
- Rotary Wing –
FY02-FY12



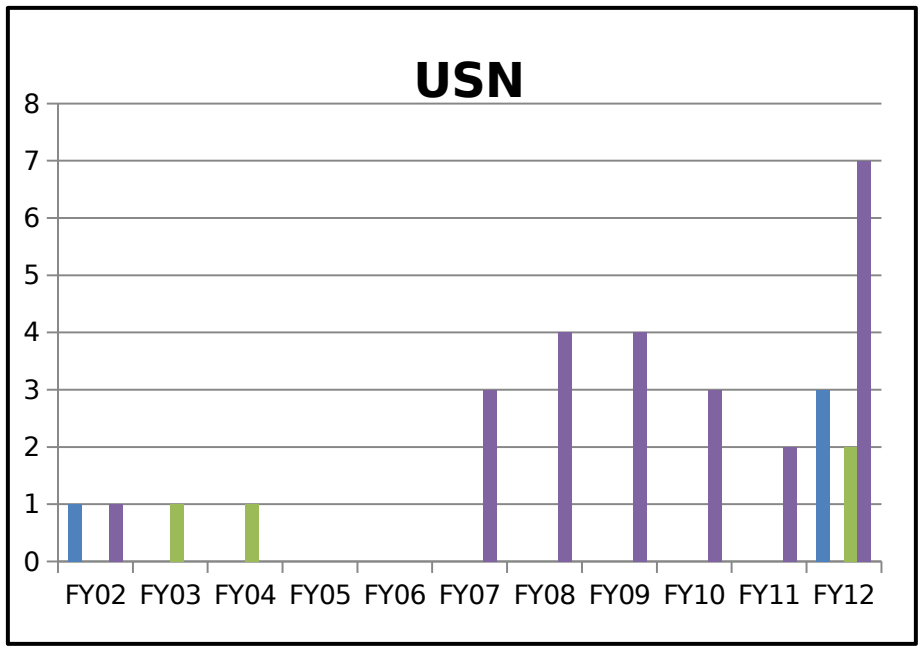


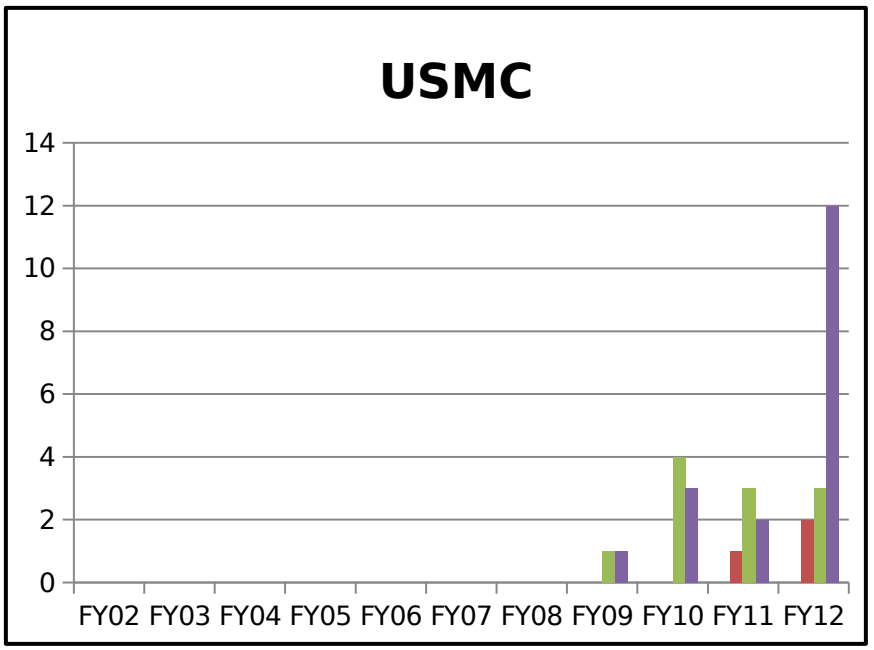
Baseline FY 2002	**4.18**
FY 2012	**1.56**
Reduction from Baseline	**-63%**

Baseline FY 2002	**3.38**
FY 2012	**2.67**
Reduction from Baseline	**-21%**

Source: Naval Safety Center

Unmanned/Remotely
Piloted Mishaps by Count
FY02-FY12

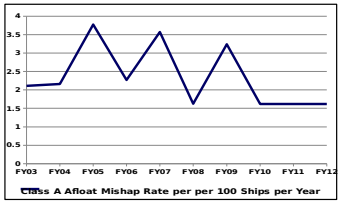




Class A Class B Class C Class D/Hazards

Source: Naval Safety Center

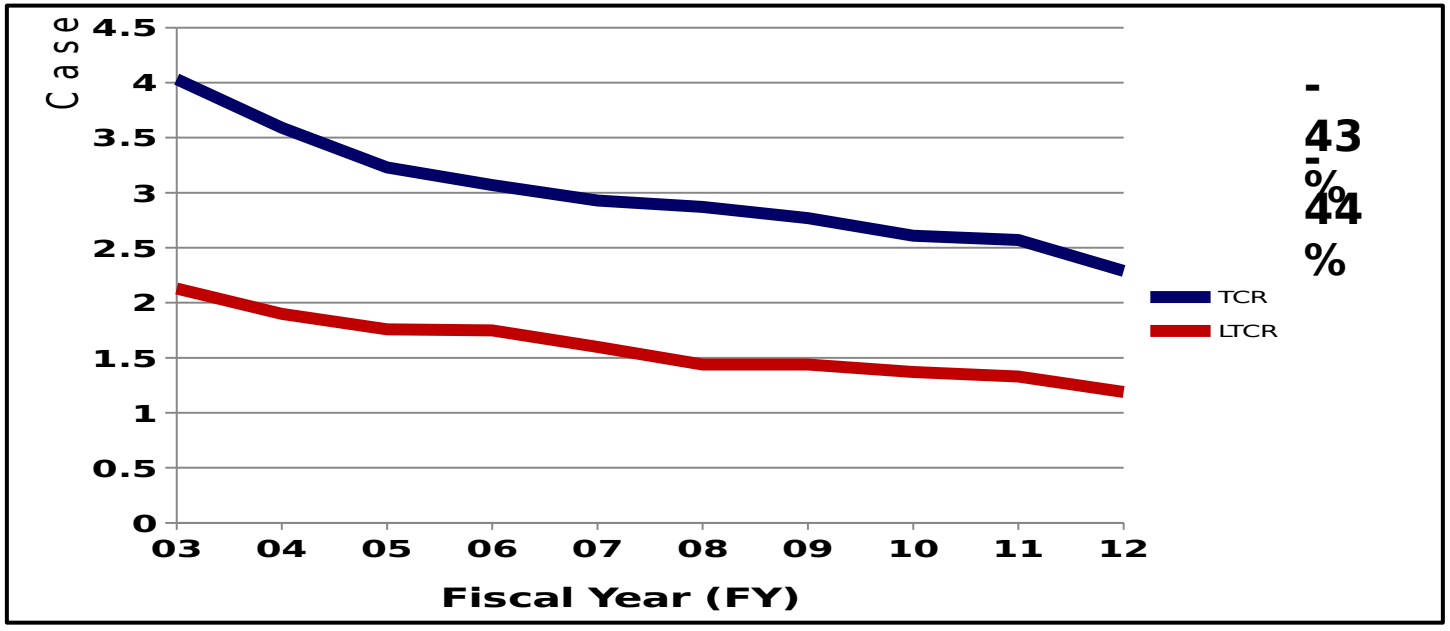
Afloat Class A Mishap Rates
- Total -



Baseline FY 2003	**2.11**
FY 2012	**1.62**
Reduction from Baseline	**-23%**

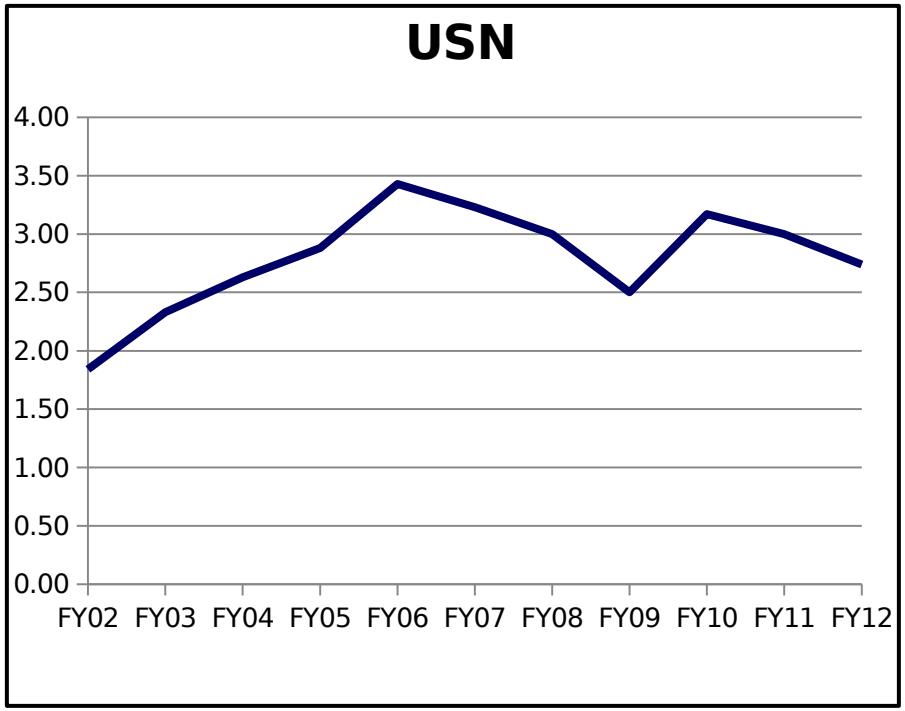
Source: Naval Safety Center

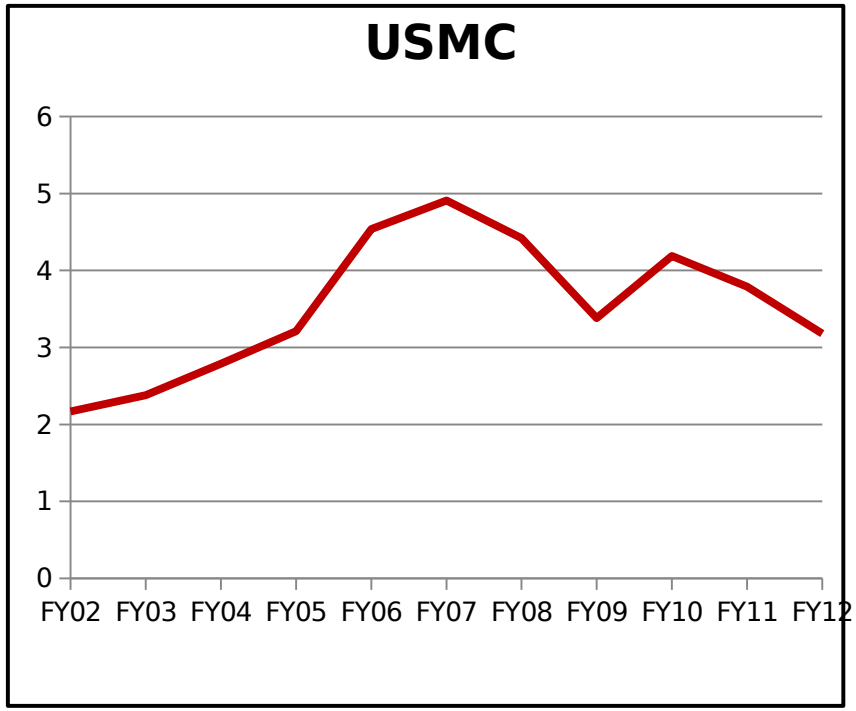
Total Case Rates (TCR) and Lost Time Case Rates (LTCR)
Navy and Marine Corps Civilians
FY 03-FY 12



Source: Department of Labor/OSHA, *Federal Agency Injury and Illness Statistics by Year, 2003 -2012*;

Military Medical Treatment
Lost Time Case Rate
FY02-FY12



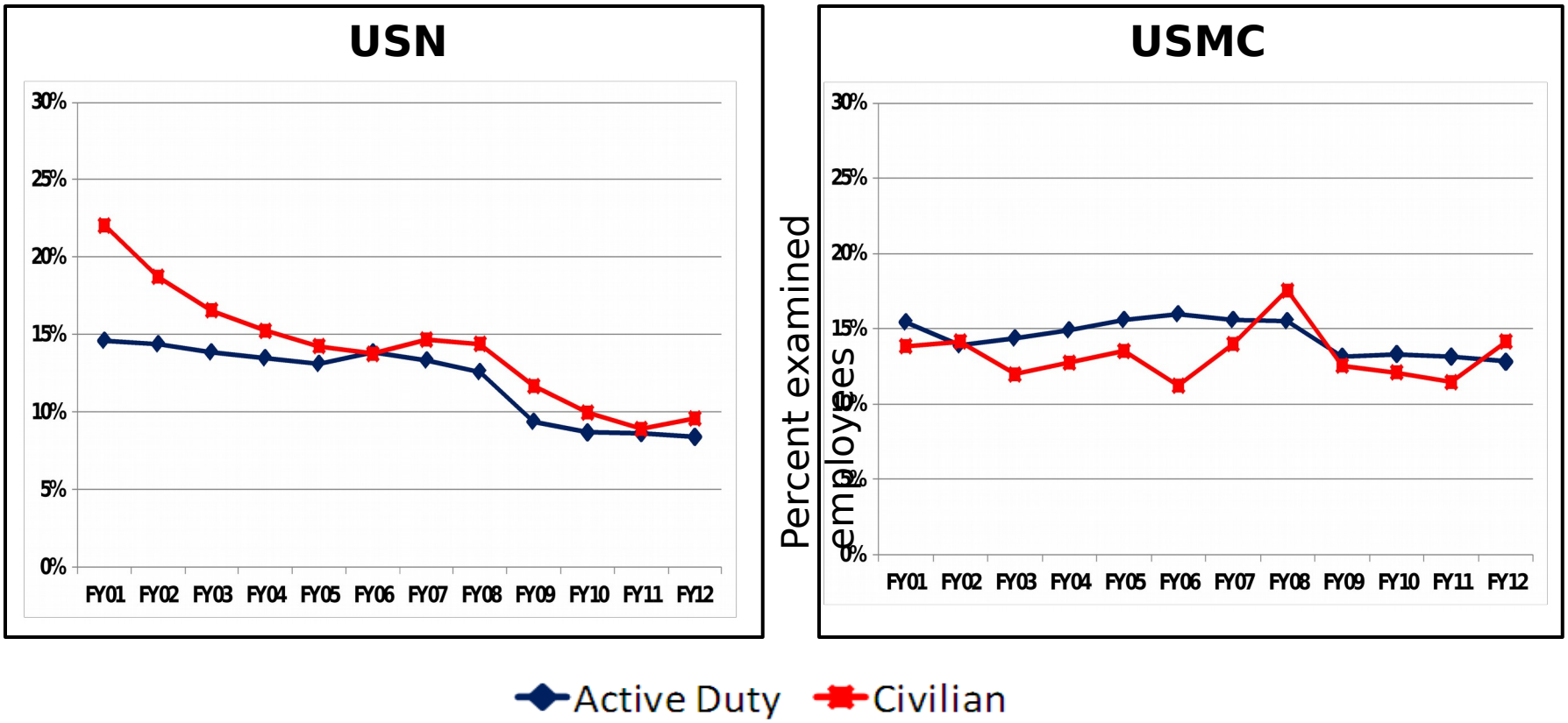


Baseline FY 2002	**1.84**
FY 2012	**2.74**
Reduction from Baseline	**+49%**

Baseline FY 2002	**2.17**
FY 2012	**3.18**
Reduction from Baseline	**+47%**

Source: NSC

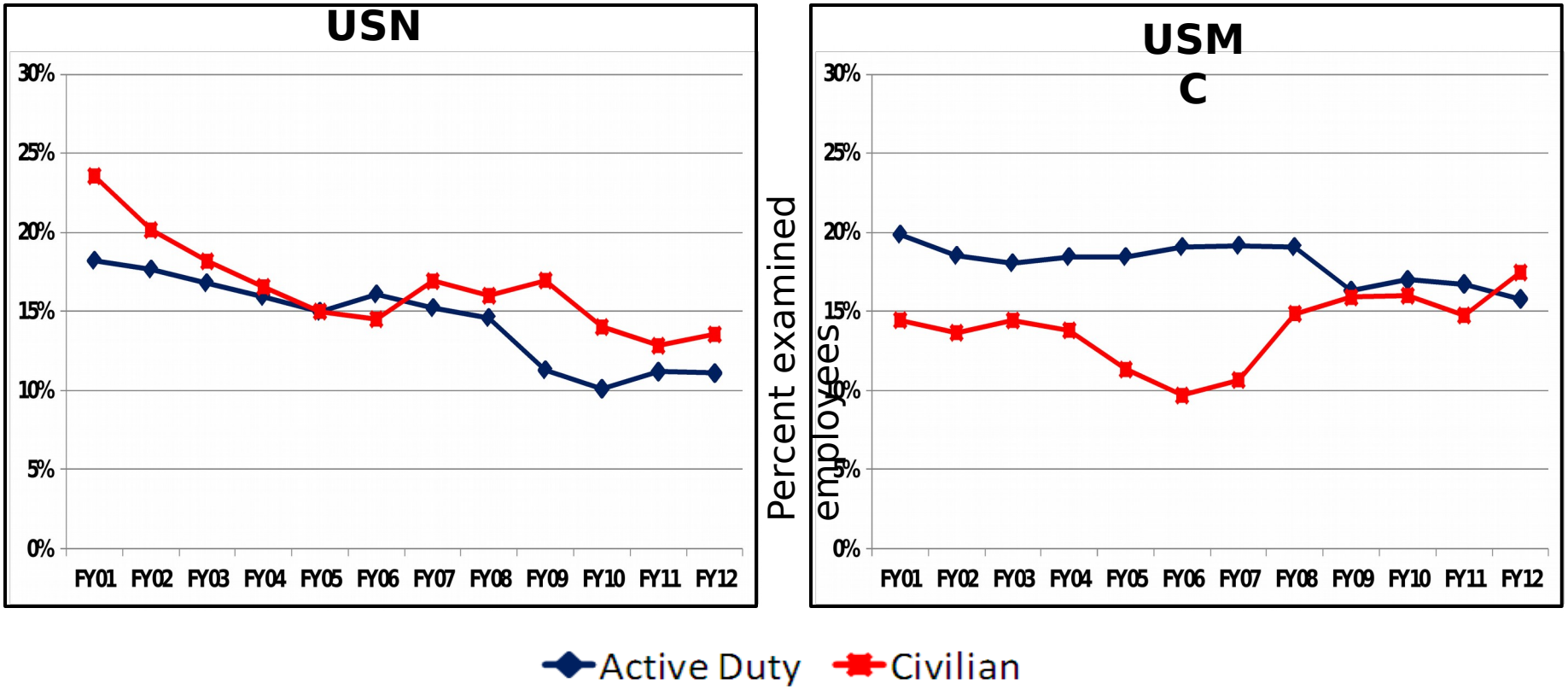
Permanent Threshold Shift For Hearing Loss



Source: DOEHRS-HC - Defense Occupational and Environmental Health Readiness System – Hearing Conservation

- Data Caveat: Results derived from numerator data (exams performed) and not denominator data (total enrolled)

Significant Threshold Shift



Source: DOEHRS-HC - Defense Occupational and Environmental Health Readiness System – Hearing Conservation

- Data Caveat: Results derived from numerator data (exams performed) and not denominator data (total enrolled)

Background Slides

Department of Navy Actions
(taken prior to 01 March)

Doctrinal Requirements

- Deferred repair of USS MIAMI (SSN 755) (fire damage), USS PORTER (DDG 78) (collision damage)
- Deferred start of the scheduled Refueling Complex Overhaul (RCOH) for USS ABRAHAM LINCOLN (CVN 72)
- Delayed deployment: USS HARRY S TRUMAN (CVN 75), USS GETTYSBURG (CG 64)

Personnel

- Froze civilian hiring; Reduced temp/term employees; limited use of overtime and comp time
- Marine Corps reduced planned CIVPERS expenditures
- Reduced routine training not-related to readiness of deployed or next-to-deploy forces
- Cancelled non-essential travel, temporary duty, conferences, and training courses.

Infrastructure

- Deferred facilities maintenance projects that are not immediately mission-critical or life, health, or safety sustaining; Deferred all facilities demolition projects
- Reduced base operating support (BOS)
- Reduced administrative overhead expenses, IT expenditures and minor

Department of Navy Actions
(taken as of 01 March)

Doctrinal Requirements

- Prepare to shut down Carrier Air Wing Two (CVW-2) in April. This will initiate the preparations to gradually stand-down flying in five carrier air wings with two additional air wings being reduced to minimum safe flying levels by the end of the year
- Defer USNS COMFORT humanitarian deployment to Central and South America, “Continuing Promise 2013”, including supporting ships, Seabees, and medical units
- Prepare to cancel deployments of USS GRASP (1 Apr), Underwater Construction TM1 (1 Apr), USS KAUFFMAN (5 Apr), and Intel Exploitation TM6 (15 Apr).
- Defer USS CHUNG HOON (DDG 93) deployment to the western Pacific
- Prepare to lay up four Combat Logistics Force (CLF) units in PACOM starting 1 April
- Prepare to return USS SHOUP (DDG 86) and not proceed as USS NIMITZ (CVN 68) escort to CENTCOM based upon SECDEF decisions on GFMAP requirements
- Prepare to cancel USS THACH (FFG 43) deployment to SOUTHCOM based upon SECDEF decisions on GFMAP requirements
- Reduce hours of operation at ports and airfields
- Begin negotiating contract modifications to de-obligate efforts for any

Department of Navy Actions
(taken as of 01 March) – cont'd

Doctrinal Requirements

•Reduce scope of Naval Safety Center investigations

Personnel

•Cancel March Introductory Flight Screening for future Pilots/NFOs
USMC will commence final planning activities to cancel Marine Corps Maintenance Depot contracts and notify 845 depot maintenance employees of pending layoffs
•Cease new USMC enrollments in voluntary education Tuition Assistance (TA)
•Cancel March Navy recruiting media support and reduce advertising contracts
•Reduce fitness and other Morale Welfare and Recreation operating hours
•Announce intention to cancel Blue Angels shows scheduled for April 2013 [Four shows: Tampa FL (MacDill AFB), Corpus Christi TX, Vidalia GA, Beaufort SC]
•Reduce legal assistance for service members at Navy Legal Service Centers
•Limit Navy Band support to only the National Capital Region for March and April